

1次式の加法と減法

____年 ____組 名前 _____

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■ 次の計算をしなさい。

$$\textcircled{1} \quad \frac{3x-5y}{2} - \frac{3x+4y}{8} =$$

$$\textcircled{2} \quad \frac{a-4b}{10} + \frac{2a-3b}{5} =$$

$$\textcircled{3} \quad \frac{2x+3y}{9} - \frac{5x+y}{5} =$$

$$\textcircled{4} \quad \frac{2x+5y}{18} + \frac{x+6y}{3} =$$

$$\textcircled{5} \quad \frac{5x-2y}{2} - \frac{x-2y}{16} =$$

$$\textcircled{6} \quad \frac{x+5y}{7} + \frac{5x-y}{8} =$$

$$\textcircled{7} \quad \frac{4a+3b}{2} - \frac{4a-5b}{3} =$$

$$\textcircled{8} \quad \frac{3x+2y}{9} + \frac{5x+2y}{3} =$$

$$\textcircled{9} \quad \frac{3x+y}{4} + \frac{4x-y}{12} =$$

$$\textcircled{10} \quad \frac{x+3y}{9} - \frac{5x-4y}{8} =$$

$$\textcircled{11} \quad \frac{3a-4b}{8} - \frac{3a-b}{4} =$$

$$\textcircled{12} \quad \frac{4x+y}{4} + \frac{x-3y}{3} =$$

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■ 次の計算をなさい。

$$\begin{aligned}\textcircled{1} \quad \frac{3x-5y}{2} - \frac{3x+4y}{8} &= \frac{12x-20y}{8} - \frac{3x+4y}{8} \\ &= \frac{9x-24y}{8}\end{aligned}$$

$$\begin{aligned}\textcircled{2} \quad \frac{a-4b}{10} + \frac{2a-3b}{5} &= \frac{a-4b}{10} + \frac{4a-6b}{10} \\ &= \frac{5a-10b}{10} \\ &= \frac{a-2b}{2}\end{aligned}$$

$$\begin{aligned}\textcircled{3} \quad \frac{2x+3y}{9} - \frac{5x+y}{5} &= \frac{10x+15y}{45} - \frac{45x+9y}{45} \\ &= \frac{-35x+6y}{45}\end{aligned}$$

$$\begin{aligned}\textcircled{4} \quad \frac{2x+5y}{18} + \frac{x+6y}{3} &= \frac{2x+5y}{18} + \frac{6x+36y}{18} \\ &= \frac{8x+41y}{18}\end{aligned}$$

$$\begin{aligned}\textcircled{5} \quad \frac{5x-2y}{2} - \frac{x-2y}{16} &= \frac{40x-16y}{16} - \frac{x-2y}{16} \\ &= \frac{39x-14y}{16}\end{aligned}$$

$$\begin{aligned}\textcircled{6} \quad \frac{x+5y}{7} + \frac{5x-y}{8} &= \frac{8x+40y}{56} + \frac{35x-7y}{56} \\ &= \frac{43x+33y}{56}\end{aligned}$$

$$\begin{aligned}\textcircled{7} \quad \frac{4a+3b}{2} - \frac{4a-5b}{3} &= \frac{12a+9b}{6} - \frac{8a-10b}{6} \\ &= \frac{4a+19b}{6}\end{aligned}$$

$$\begin{aligned}\textcircled{8} \quad \frac{3x+2y}{9} + \frac{5x+2y}{3} &= \frac{3x+2y}{9} + \frac{15x+6y}{9} \\ &= \frac{18x+8y}{9}\end{aligned}$$

$$\begin{aligned}\textcircled{9} \quad \frac{3x+y}{4} + \frac{4x-y}{12} &= \frac{9x+3y}{12} + \frac{4x-y}{12} \\ &= \frac{13x+2y}{12}\end{aligned}$$

$$\begin{aligned}\textcircled{10} \quad \frac{x+3y}{9} - \frac{5x-4y}{8} &= \frac{8x+24y}{72} - \frac{45x-36y}{72} \\ &= \frac{-37x+60y}{72}\end{aligned}$$

$$\begin{aligned}\textcircled{11} \quad \frac{3a-4b}{8} - \frac{3a-b}{4} &= \frac{3a-4b}{8} - \frac{6a-2b}{8} \\ &= \frac{-3a-2b}{8}\end{aligned}$$

$$\begin{aligned}\textcircled{12} \quad \frac{4x+y}{4} + \frac{x-3y}{3} &= \frac{12x+3y}{12} + \frac{4x-12y}{12} \\ &= \frac{16x-9y}{12}\end{aligned}$$